

WHAT IS CLAIMED IS:

1. A liquid crystal device, comprising:
a seal member;
spacers;
a pair of substrates opposed to each other through the seal member defining a sealed space; and
a liquid crystal, the liquid crystal and the spacers being contained in the sealed space enclosed with the pair of substrates and the seal member;
the spacers being placed on at least a part of intersection points of a plurality of first parallel phantom lines extending in a first direction and a plurality of second parallel phantom lines extending in a second direction different from the first direction with the spacers arranged separately, in aggregation, or in mixture thereof; and
the density of spacers being from 50 to 300/mm², and an average number of spacers on all the intersection points being from 0.2 to 3.
2. The liquid crystal device according to Claim 1,
the spacers being placed in a non-pixel region.
3. The liquid crystal device according to Claim 2, further comprising:
a light-shielding layer corresponding to the non-pixel region.
4. The liquid crystal device according to Claim 1,
the spacers being colored.
5. The liquid crystal device according to Claim 1,
the surfaces of the spacers being subjected to a process of controlling the orientation of the liquid crystal.
6. The liquid crystal device according to Claim 1,
the surfaces of the spacers including a bonding layer to bond the spacers themselves onto the substrates.
7. A method for manufacturing a liquid crystal device in which a pair of substrates is opposed to each other through a seal member and a liquid crystal and spacers are contained in a sealed space enclosed with the pair of substrates and the seal member, the method comprising:
dropping a spacer dispersion liquid having the spacers dispersed in a predetermined solvent in certain positions on one of the pair of substrates with a droplet discharge unit; and

placing the spacers by evaporating the solvent in droplets dropped on the substrate so as to arrange the spacers on at least a part of the intersection points of a plurality of first parallel phantom lines extending in a first direction and a plurality of second parallel phantom lines extending in a second direction different from the first direction, with the spacers arranged separately, in aggregation, or in mixture thereof, the density of spacers being from 50 to 300/mm², and an average number of spacers on all the intersection points being from 0.2 to 3.

8. The method for manufacturing the liquid crystal device according to Claim 7, the first direction in which the first phantom lines extend being the direction of arrangement of a plurality of droplet discharge nozzles of the droplet discharge unit; and the second direction in which the second phantom lines extend being the scanning direction of the plurality of droplet discharge nozzles of the droplet discharge unit.

9. The method for manufacturing the liquid crystal device according to Claim 7, the diameter of the droplet discharge nozzles of the droplet discharge unit being at least 10 μm and at most 100 μm .

10. The method for manufacturing the liquid crystal device according to Claim 9, the diameter of the droplet discharge nozzle's opening being at least 10 μm and at most 30 μm .

11. The method for manufacturing the liquid crystal device according to Claim 7, the diameter of the droplet discharge nozzle's opening being at least twice as large as that of the spacers.

12. The method for manufacturing the liquid crystal device according to Claim 7, the method further comprising:

forming a closed-frame-shaped seal member in the region in the surface of one of the pair of substrates;

dropping the liquid crystal in the region enclosed with the seal member on the substrate having the seal member; and

bonding the substrate having the seal member and the other substrate.

13. The method for manufacturing the liquid crystal device according to Claim 7, the dropping of the spacer dispersion liquid on the substrate including dropping the droplet at a spacing larger than the diameter of the droplet dropped on the substrate.

14. An electronic device, comprising:

the liquid crystal device according to Claim 1.